**Agricultural Systems Technology**

**Agricultural and Biosystems Management Option**

2024-2025-Catalog – Total Credits 120

|  |  |
| --- | --- |
| Fall Semester 1 (16 cr.) | Spring Semester 2 (15 cr.) |

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | TSM 1100 – Introduction to Technology (F) | 1 | TSM 1110 – Experiencing Technology (FS) |
| 3 | TSM 1160 – Intro to Design in Technology (FS) | 3 | TSM 1150 – Solving Tech Problems (FS) |
| 3 | ENGL 1500 – Critical Thinking & Comm (FSSS) | 3 | MATH 1510 – Calculus for Business & Social Sci (FSSS) |
| 1 | LIB 1600 – Intro to College Level Research (FSSS) |  4 | PHYS 1310 – General Physics 1 (FSSS) |
| 3 | MATH 1450 – Applied Trigonometry (FS) | 1 | PHYS 1310L – General Physics 1 Lab (FSSS) |
| 4 | CHEM 1630 – College Chemistry (FSSS) | 3 | ECON 1010 – Principles of Microeconomics (FSSS) |
| 1 | CHEM 1630L – Lab in College Chemistry (FSSS) |  |  |

|  |  |
| --- | --- |
| Fall Semester 3 (14 cr.) | Spring Semester 4 (16cr.) |

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | TSM 2010 – Preparation for Workplace Sem. (FS) | 3 | TSM 3220 – Preservation of Grain Quality (S) |
| 3 | TSM 2100 – Fundamentals of Technology (FS) | 1 | TSM 3220L -- Preservation of Grain Quality Lab (S) |
| 1 | TSM 2140 – Managing Technology Projects (FS) | 3 | STAT 1040 – Introduction to Statistics (FSSS) |
| 3 | TSM 2700 – Principles of Injury Prevention (FS) | 3 | ECON 2300 – Farm Business Management (FS) |
| 3 | ENGL 2500 – Writing/Oral/Visual/Elec Comp (FSSS) | 3 | Life Science Biology – Choose one:BIOL 1010 – Intro Biology (FSSS);BIOL 2110 – Prin. of Biology I (FS);BIOL 2120 – Prin. of Biology II (FS);BIOL 2510 – Biological Proc. in the Env. (S) |
| 3 | ACCT 2840 – Financial Accounting (FSSS) |
|  |  | 3 | Life Science – See List (FSSS) |

Summer Semester:

TSM 3970 – Internship in Technology (FSSS)

|  |  |
| --- | --- |
| Fall Semester 5 (16 cr.)  | Spring Semester 6 (15 cr.) |
| 3 | TSM 3250 – Biorenewable Systems (F) | 3 | TSM 3100 – Total Quality Improvement (FS) |
| 3 | TSM 3270 – Animal Production Systems (F) | 3 | TSM 3240 – Soil & Water Conservation Mgmt (S) |
| 4 | TSM 3630 – Elec Pwr & Cntrl Sys for Ag & Ind (FS) | 3 | TSM 3700 – Occupational Safety (FS) |
| 3 | Major Communication – Choose one:ENGL 3020 – Business Communication (FSSS);ENGL 3090 – Proposal & Report Writing (FS);ENGL 3140 – Technical Communication (FSSS);AGEDS 3270 – Survey Ag & Life Sciences Comm (FS) | 3 | CALS Communication – Choose one:SPCM 2120 – Fundam. of Public Speaking (FSSS));COMST 2140 – Professional Communications (FS);AGEDS 3110 – Pres. & Sales Strat. Ag Audiences (FS) |
| 3 | U.S. Cultures and Communities (formerly U.S. Diversity) – See List (FSSS) | 3 | Elective (FSSS) |

|  |  |
| --- | --- |
| Fall Semester 7 (13cr.) | Spring Semester 8 (15 cr.) |
| 2 | Elective | 3 | International Perspective – See List (FSSS) |
| 2 | TSM 4150 – Applied Project Mgmt. in Tech (FS) | 3 | TSM 3300 – Ag Machinery & Power Mgmt (S) |
| 3 | TSM 4330 – Precision Farming Systems (F) | 3 | TSM 4160 – Technology Capstone (FS) |
| 3 | TSM 4550 – Feed Processing & Technology (F) | 3 | Elective (FSSS) |
|  3 | Elective (FSSS) |  3 | Humanities – See List (FSSS) |

“See list” – Refer to your APR for options for each list. NOTE: This is an example four-year plan. Your actual semester schedules may vary. Updated 2/27/2024